

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/575,361ADATE: 04/15/97
TIME: 15:12:03

INPUT SET: S17017.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Chandrasegaran, Srinivasan

(ii) TITLE OF INVENTION: A GENERAL METHOD TO CLONE HYBRID
RESTRICTION ENDONUCLEASES USING lig GENE

(iii) NUMBER OF SEQUENCES: 35

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Cushman Darby & Cushman L.L.P.

(B) STREET: 1100 New York Avenue, NW, Ninth Floor, East
Tower

(C) CITY: Washington

(D) STATE: DC

(E) COUNTRY: USA

(F) ZIP: 20005-3918

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US

(B) FILING DATE: 20-DEC-1995

(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Kokulis, Paul N.

(B) REGISTRATION NUMBER: 16,773

(C) REFERENCE/DOCKET NUMBER: PNK/4130/213779/DJP

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 202-861-3000

(B) TELEFAX: 202-822-0944

(C) TELEX: 6714627 CUSH

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 23 amino acids

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47 (B) TYPE: amino acid
48 (D) TOPOLOGY: linear
49
50
51
52 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
53
54 Tyr Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
55 1 5 10 15
56
57 Xaa Xaa His Xaa Xaa Xaa His
58 20
59
60 (2) INFORMATION FOR SEQ ID NO:2:
61
62 (i) SEQUENCE CHARACTERISTICS:
63 (A) LENGTH: 24 amino acids
64 (B) TYPE: amino acid
65 (D) TOPOLOGY: linear
66
67
68
69 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
70
71 Tyr Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
72 1 5 10 15
73
74 Xaa Xaa His Xaa Xaa Xaa Xaa His
75 20
76
77 (2) INFORMATION FOR SEQ ID NO:3:
78
79 (i) SEQUENCE CHARACTERISTICS:
80 (A) LENGTH: 25 amino acids
81 (B) TYPE: amino acid
82 (D) TOPOLOGY: linear
83
84
85
86 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
87
88 Tyr Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
89 1 5 10 15
90
91 Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
92 20 25
93
94 (2) INFORMATION FOR SEQ ID NO:4:
95
96 (i) SEQUENCE CHARACTERISTICS:
97 (A) LENGTH: 24 amino acids
98 (B) TYPE: amino acid
99 (D) TOPOLOGY: linear

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100

101

102

103 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

104

105 Tyr Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa

106 1 5 10 15

107

108 Leu Xaa Xaa His Xaa Xaa Xaa His

109 20

110

111 (2) INFORMATION FOR SEQ ID NO:5:

112

113 (i) SEQUENCE CHARACTERISTICS:

114 (A) LENGTH: 25 amino acids

115 (B) TYPE: amino acid

116 (D) TOPOLOGY: linear

117

118

119

120 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

121

122 Tyr Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa

123 1 5 10 15

124

125 Leu Xaa Xaa His Xaa Xaa Xaa Xaa His

126 20 25

127

128 (2) INFORMATION FOR SEQ ID NO:6:

129

130 (i) SEQUENCE CHARACTERISTICS:

131 (A) LENGTH: 26 amino acids

132 (B) TYPE: amino acid

133 (D) TOPOLOGY: linear

134

135

136

137 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

138

139 Tyr Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa

140 1 5 10 15

141

142 Leu Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His

143 20 25

144

145 (2) INFORMATION FOR SEQ ID NO:7:

146

147 (i) SEQUENCE CHARACTERISTICS:

148 (A) LENGTH: 25 amino acids

149 (B) TYPE: amino acid

150 (D) TOPOLOGY: linear

151

152

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153
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
155
156 Tyr Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
157 1 5 10 15
158
159 Xaa Leu Xaa Xaa His Xaa Xaa Xaa His
160 20 25
161
162 (2) INFORMATION FOR SEQ ID NO:8:
163
164 (i) SEQUENCE CHARACTERISTICS:
165 (A) LENGTH: 26 amino acids
166 (B) TYPE: amino acid
167 (D) TOPOLOGY: linear
168
169
170
171 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
172
173 Tyr Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
174 1 5 10 15
175
176 Xaa Leu Xaa Xaa His Xaa Xaa Xaa Xaa His
177 20 25
178
179 (2) INFORMATION FOR SEQ ID NO:9:
180
181 (i) SEQUENCE CHARACTERISTICS:
182 (A) LENGTH: 27 amino acids
183 (B) TYPE: amino acid
184 (D) TOPOLOGY: linear
185
186
187
188 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
189
190 Tyr Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
191 1 5 10 15
192
193 Xaa Leu Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
194 20 25
195
196 (2) INFORMATION FOR SEQ ID NO:10:
197
198 (i) SEQUENCE CHARACTERISTICS:
199 (A) LENGTH: 23 amino acids
200 (B) TYPE: amino acid
201 (D) TOPOLOGY: linear
202
203
204
205 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/575,361ADATE: 04/15/97
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206
207 Phe Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
208 1 5 10 15
209

210 Xaa Xaa His Xaa Xaa Xaa His
211 20
212

213 (2) INFORMATION FOR SEQ ID NO:11:
214

215 (i) SEQUENCE CHARACTERISTICS:
216 (A) LENGTH: 24 amino acids
217 (B) TYPE: amino acid
218 (D) TOPOLOGY: linear
219

220

221

222 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
223

224 Phe Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
225 1 5 10 15
226

227 Xaa Xaa His Xaa Xaa Xaa Xaa His
228 20
229

230 (2) INFORMATION FOR SEQ ID NO:12:
231

232 (i) SEQUENCE CHARACTERISTICS:
233 (A) LENGTH: 25 amino acids
234 (B) TYPE: amino acid
235 (D) TOPOLOGY: linear
236

237

238

239

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
240

241 Phe Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
242 1 5 10 15
243

244 Xaa Xaa His Xaa Xaa Xaa Xaa His
245 20 25
246

247 (2) INFORMATION FOR SEQ ID NO:13:
248

249 (i) SEQUENCE CHARACTERISTICS:
250 (A) LENGTH: 24 amino acids
251 (B) TYPE: amino acid
252 (D) TOPOLOGY: linear
253

254

255

256

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
257

258

Phe Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/575,361A

DATE: 04/15/97
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Line	Error	Original Text
28	Wrong application Serial Number	(A) APPLICATION NUMBER: US